

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES AND THERMOSTATS				HEATERS			
12 Ft, 14 Ft & 16 Ft				C.		Anti-Sweat Heater	(3)
A.	12W Standard	Fan Assembly	(1)	0491966		12 ft (HE.4850834)	
	0047000	Fan Motor, Evaporator (MO.4410103)		0487120		14 ft (HE.4850835)	
	0407532	Fan Blade (FB.4780619) (12 ft & 14 ft only) embossing toward motor		0487121		16 ft (HE.4850836)	
	0506563	Fan Blade (FB.4780811) (16 ft only) embossing toward motor		LAMPS AND BALLASTS			
12 Ft & 16 Ft				D.		Ballast, Electronic	(4)
A.	12W Energy Efficient	Fan Assembly	(1)	0355398		3 Lamps (BA.4480118)	
	0477655	Fan Motor, Evaporator (MO.4410546)		0355716		2 Lamps (BA.0355716)	
	0407532	Fan Blade (FB.4780619) (12 ft only) embossing toward motor		0447739		(BA.4480900)	
	0506563	Fan Blade (FB.4780811) (16 ft only) embossing toward motor		0447740		(BA.4481278)	
B.	Optional Adjustable Refrigeration Thermostat		(2)	E.		Fluorescent Lamp	(5)
	0448347	(CT.4481631)				<i>Replace with like fixtures</i>	

Note: Revision D updates energy efficient motor Btu note on page 3.

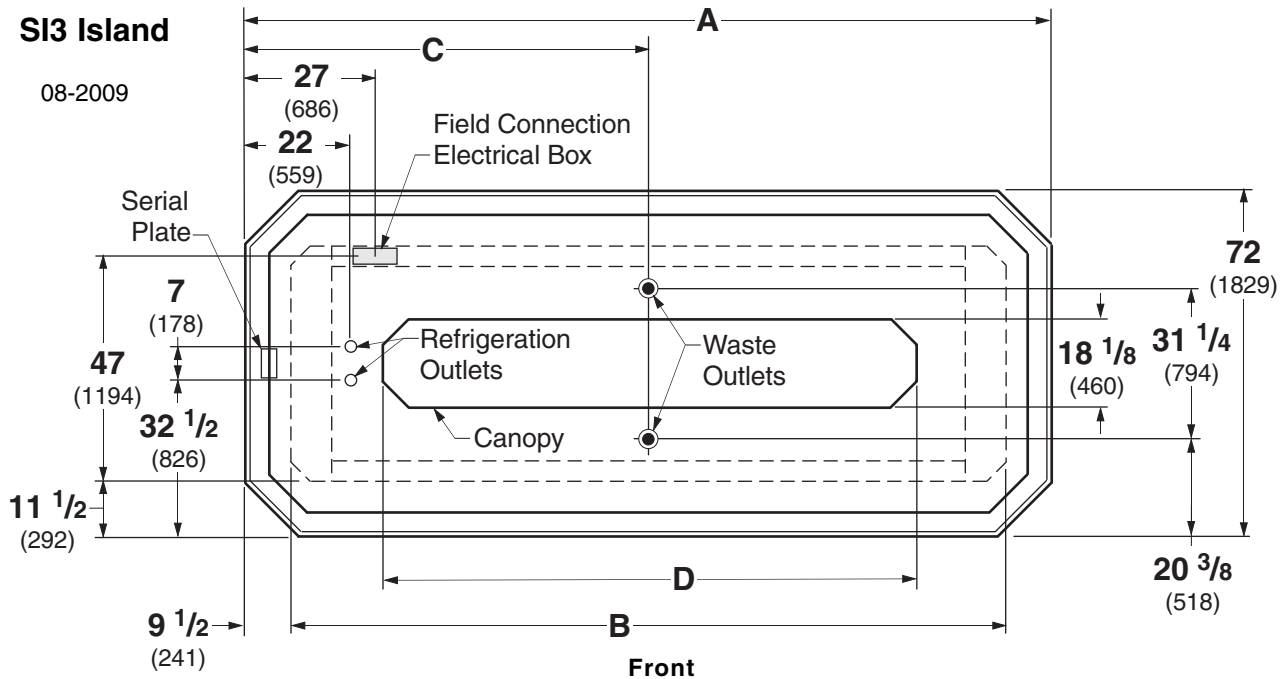





Engineering Plan Views

Dimensions shown as inches and (mm).

PHYSICAL DATA

Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

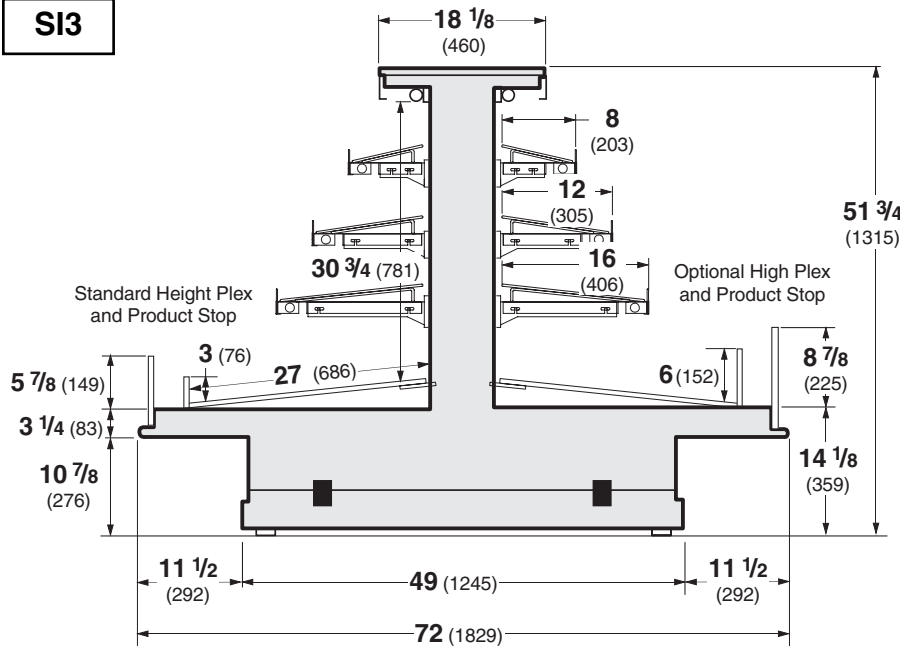


	12 ft	14 ft	16 ft
General			
(A) Overall Case Length	144 (3658)	168 (4267)	192 (4877)
(B) Base Length	125 (3175)	149 (3785)	173 (4394)
Maximum O/S dimension of case back to front (includes bumper)	72 (1829)	72 (1829)	72 (1829)
Front of splashguard to O/S edge of front base rail	1 5/8 (41)	1 5/8 (41)	1 5/8 (41)
Front of case to O/S edge of front base rail	13 1/8 (333)	13 1/8 (333)	13 1/8 (333)
Back of case to O/S edge of front base rail	58 7/8 (1495)	58 7/8 (1495)	58 7/8 (1495)
Width of base rail	1 7/8 (48)	1 7/8 (48)	1 7/8 (48)
(D) Length of Canopy			
Width of Canopy	18 1/8 (460)	18 1/8 (460)	18 1/8 (460)
Electrical Service  (Electrical Field Wiring connection point)			
Center of Electrical service to O/S edge of front base rail	47 (1194)	47 (1194)	47 (1194)
Left end of case to center of field connection box	27 (686)	27 (686)	27 (686)
Right end of case to center of field connection box	117 (2972)	141 (3581)	165 (4191)
Waste Outlets 			
(C) LH End of case to the center of waste outlet	42 (1067)	84 (2134)	96 (2438)
Center of front waste outlet to outside of front base rail	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)
Center of back waste outlet to outside of front base rail	40 1/8 (1019)	40 1/8 (1019)	40 1/8 (1019)
Schedule 40 PVC drip pipe	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
Refrigeration Outlet 			
LH end of case to center of refrigeration outlet	22 (559)	22 (559)	22 (559)
RH end of case to center of refrigeration outlet	122 (3099)	146 (3708)	170 (4318)

SI3
Delicatessen

Dimensions shown as inches and (mm).

SI3



REFRIGERATION DATA

Note: This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	SI3
Discharge Air (°F)	27
Evaporator (°F)	20
Unit Sizing (°F)	18
Btu/hr/ft[‡]	
LIT & UNLIT SHELVES	SI3
Parallel	1820
Conventional	1985

[‡]Optional energy efficient motors reduce the refrigeration load by 91 Btu/hr/ft.

DEFROST DATA

	SI3
Frequency (hr)	4
Defrost Water (lb/ft/day)	12
<i>(± 15% based on case configuration and product loading).</i>	
OFFTIME	SI3
Time Terminated (minutes)	20

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control	
	SI3
CI/CO*	14°F / 4°F
Indoor Unit Only, Pressure Defrost Termination*	
	48°F

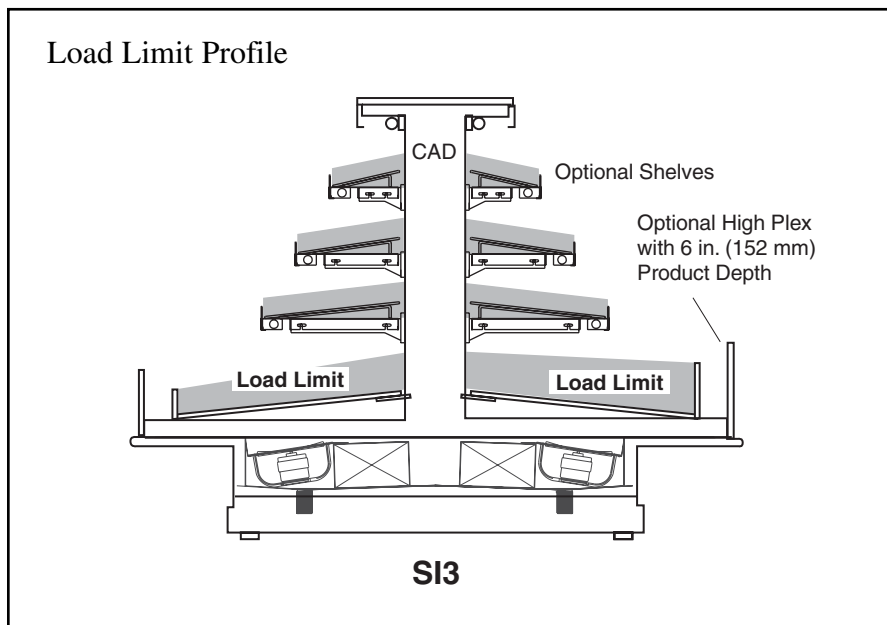
* Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge **		SI3
12 ft	2.5 lb 40 oz	1.1 kg
14 ft	3.1 lb 50 oz	1.4 kg
16 ft	3.7 lb 59 oz	1.7 kg

**This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

NSF® Certification

This merchandiser is manufactured to meet ANSI/NSF® (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.



Cases may not function properly if they are loaded above load limits.

Air flow between the shelves, from the Center Air Discharge (CAD) to the return, must be maintained at all times for optimum operating efficiency and to prolong product shelf life. At no time should merchandisers be stocked beyond the load limits indicated.

SI3

Delicatessen

Electrical Data

Number of Fans – 12W	Amperes			Watts		
	12 ft	14 ft	16 ft	12 ft	14 ft	16 ft
Evaporator Fan						
120V 60Hz Standard	6.50	9.10	10.40	500	700	800
120V 50Hz Standard	7.50	10.50	12.00	570	798	912
230V 60Hz Export	NA	NA	NA	NA	NA	NA
230V 50Hz Export	NA	NA	NA	NA	NA	NA
120V 60Hz Energy Efficient	3.00	4.20	4.80	180	252	288
230V 60Hz Energy Efficient	NA	NA	NA	NA	NA	NA
Anti-sweat Heaters						
120V 60Hz Standard	0.90	1.10	1.30	108	132	156
230V 50Hz Export	NA	NA	NA	NA	NA	NA
Minimum Circuit Ampacity (MCA)						
120V 60Hz Standard	8.20	11.13	12.77			
120V 50Hz Standard	8.48	11.66	13.33			
230V 60Hz Export	NA	NA	NA			
230V 50Hz Export	NA	NA	NA			
120V 60Hz Energy Efficient	3.98	5.36	6.13			
230V 60Hz Energy Efficient	NA	NA	NA			
Maximum Over Current Protection 120V	20	20	20			
Maximum Over Current Protection 230V	NA	NA	NA			
Standard Lighting						
1 Row Canopy	0.83	1.07	1.37	100	128	164
Optional Lighting						
1 Row of Ledge	2.33	2.67	3.00	280	320	360
Shelf Lighting						
1 Row of Shelves	1.11	1.34	1.64	133	161	197
2 Rows of Shelves	2.22	2.68	3.28	266	322	394
3 Rows of Shelves	3.32	4.02	4.92	398	482	590

115V Lighting Circuit Total = Standard Lighting + Total Optional Lighting + Optional Shelf Lighting

Product Data

SI312

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	81.47 ft ³ /case (2.31 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	77.80 ft ² /case (7.23 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	128.64 ft ² /case (11.95 m ² /case)

SI314

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	95.05 ft ³ /case (2.69 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	90.76 ft ² /case (8.43 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	150.08 ft ² /case (13.94 m ² /case)

SI316

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	108.62 ft ³ /case (3.08 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	103.28 ft ² /case (9.60 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	171.52 ft ² /case (15.93 m ² /case)

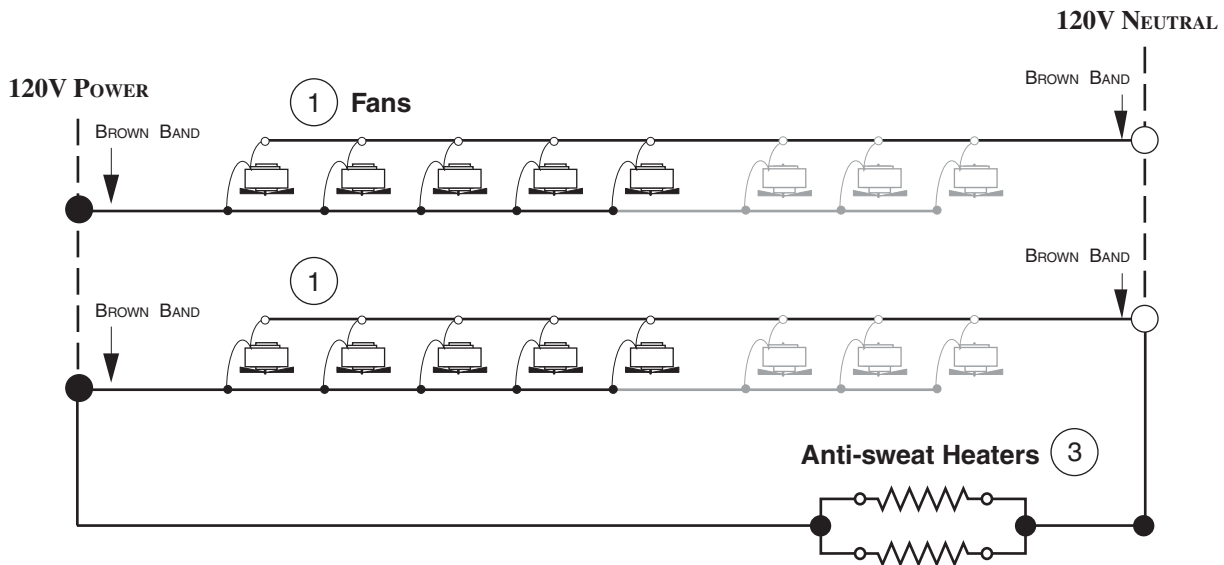
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume / Unit of Length, ft³/ft [m³/m]
² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²] / Unit of Length, ft [m]
³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is (1) row of 8-inch shelf, (1) row of 12-inch shelf, (1) row of 16-inch shelf.

ESTIMATED SHIPPING WEIGHT ⁴				
Case	<i>12 ft</i>	<i>14 ft</i>	<i>16 ft</i>	<i>End</i>
lb (kg)	1700 (771)	1900(862)	2100 (953)	NA
⁴ Actual weights will vary according to optional kits included.				

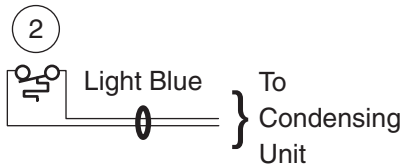
Fan Wiring Offtime Defrost

10, 14 & 16 Fans

- 12 ft — 10 Fans
- 14 ft — 14 Fans
- 16 ft — 16 Fans



Refrigeration Thermostat



WARNING

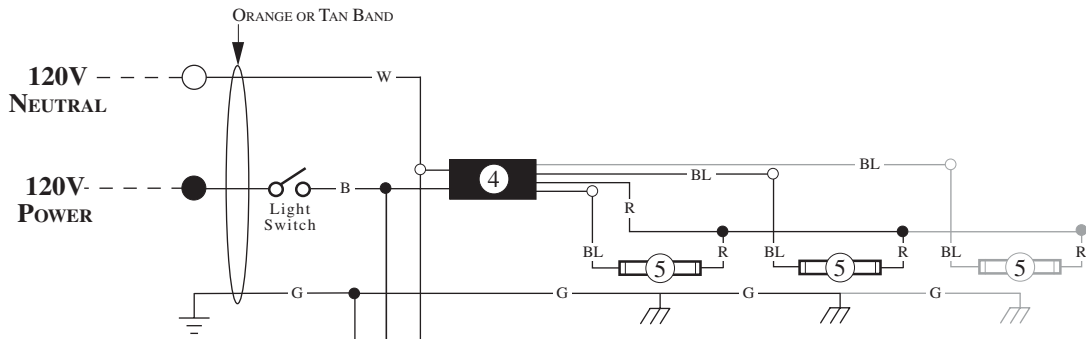
All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

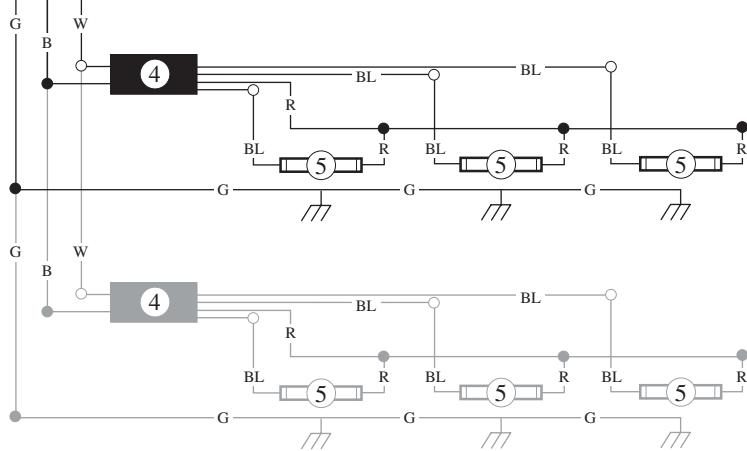
R = Red Y = Yellow G = Green BL = Blue B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND ≡ = CASE GROUND

Standard Lighting — 1 Row Canopy



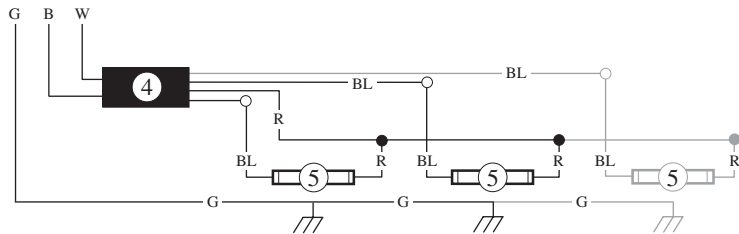
Lighted Shelf Wiring



Typical Shelf Ballast Wiring

Maximum lamps per ballast is three (3).
 Different shelf configurations and different case lengths will have more shelf ballasts.

Optional Ledge Light Circuit



WARNING

All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

R = Red Y = Yellow G = Green BL = Blue B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND ≡ = CASE GROUND